

**ecology and environment, inc.**

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International Specialists in the Environmental Sciences

DATE: December 30, 1983
TO: File
FROM: Anne C. Sause *ACS*
SUBJECT: Indiana/R5-8307-04-85
Gary/Gary Land Development
Groundwater Sampling

On December 27, 1983, Paul Hess, John Angelo, Dan Cozza and the author arrived at the above referenced site in order to sample monitoring wells. Due to a lack of daylight hours, it was decided to return the next day to sample.

On December 28, 1983, samples were obtained from two monitoring wells and a ditch. Both of the monitoring wells were installed on the south side of the site between the fill and the Calumet River. The wells were several hundred feet apart. The ditch ran along the west property line of the site. A monitoring well was in the ditch, but inaccessible because water had accumulated and frozen over the well. Ice was chopped from the top and the water beneath was sampled.

Attached is a table giving the sample descriptions, their traffic report numbers, and other pertinent information. Also, attached is a site sketch showing the sample location.

The samples were preserved and packaged at the Schaumburg warehouse. Both the metals sample and the cyanide sample were decanted prior to their preservation. The organic samples were shipped to Aquatech (A.B. #696601091), and the inorganic samples were shipped to Chemtech (A.B. #696601102). Both sets were shipped via Federal Express.

ACS/db

Attachment

US EPA RECORDS CENTER REGION 5



415012

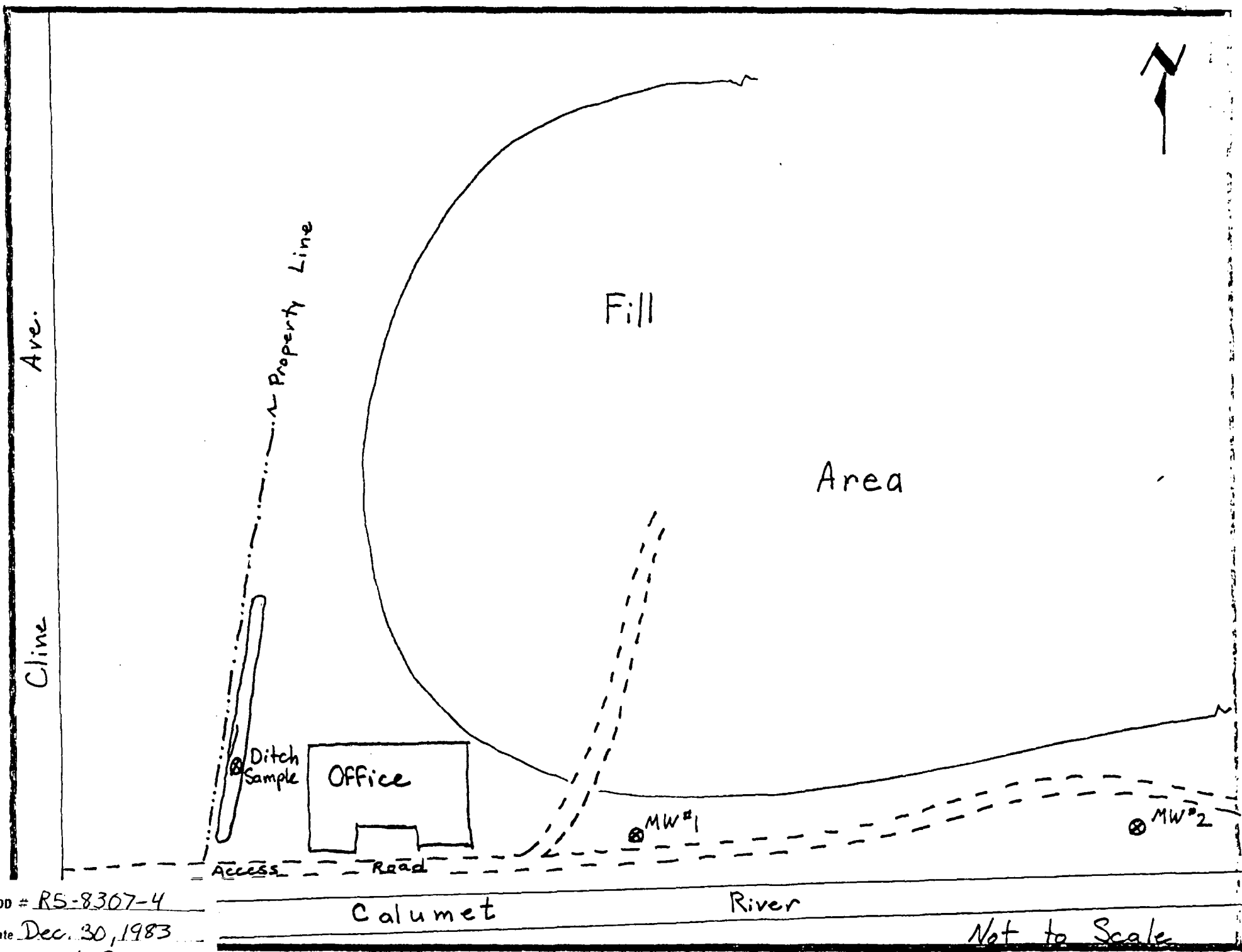
Table 1
Groundwater Sampling at
Gary Land Development, Gary, Indiana
December 30, 1983

Time 1	Organic Traffic Report Number	Inorganic Traffic Report Number	Station Location	Sample Description
1020	E 3364	ME 1659	Blank	Blank
0945	E 3365	ME 1660	MW1	Monitoring Well #1
1050	E 7166	ME 1661	MW2	Monitoring Well #2
0950	E 7167	ME 1662	Dupl.	Duplicate ²
1025	E 7168	ME 1663	MW3	Ditch

Legend

1-Time given in military time.

2-Duplicate sample taken from monitoring well #1.



TDD # RS-8307-4

Date Dec. 30, 1983

Prepared By A. Sause
ECOLOGY AND ENVIRONMENT, INC.

Figure 1.
Gary Land Development

Site Name / TDD#: Gary Land Development / RS-8307-4

Case Number : 2315

Sampling Date: 12-28-83

Sampling Time: 1020

Sample/Station Location: Blank / Blank

Organic Traffic Number E 3364

Inorganic Traffic Number ME 1659

~~Tag~~ ~~High Hazard Traffic Number~~ E 5-34533 thru 5-34538

Physical Description

At time of collection: Clear, distilled water.

Physical Changes (if any)

From time of collection until shipment: Same

Instrument Readings (i.e. - pH, conductivity...): None

Lot Nos: 1/2 gal 13307032
VOAs 231043
Liters 323511

Org to Aquatech (696601091)
Inorg to Chemtech (696601102)

Sampling Date: 12-28-83

Sampling Time: 0945

Sample/Station Location: MW1 / Monitoring Well #1

Organic Traffic Number E 3365

Inorganic Traffic Number ME 1660

~~Tag~~ ~~High Hazard Traffic Number~~ E 5-34539 thru 5-34544

Physical Description

At time of collection: Clear yellow with particulates

Physical Changes (if any)

From time of collection until shipment: Particulates settling out
in a grey-brown mass on bottom of bottle. Decanted prior
to metals and cyanide preservation.

Instrument Readings (i.e. - pH, conductivity...): None

Lot Nos. 1/2 gal 13290022
VOAs 231043

Org. to Aquatech (696601091)
Inorg. to Chemtech (696601102)

Site Name / TDD#: Gary Land Development / ROS-8307-04

Case Number : 2315

Sampling Date: 12-28-83

Sampling Time: 1050

Sample/Station Location: MW#2 / Monitoring Well #2

Organic Traffic Number E 7166

Inorganic Traffic Number ME 1661

~~1095 High Hazard Traffic Number E 5-34545 thru 5-34550~~

Physical Description

At time of collection: Clear, yellowish with particulates.

Physical Changes (if any)

From time of collection until shipment: Particulates settling out of sample. Sample decanted prior to metals and cyanide preservation.

Instrument Readings (i.e. - pH, conductivity...): None

Lot Nos. 1/2 gal. 13290022
VOA 231043
Liter 823611

Org. - Aquatech (696601091)
Inorg. - Chemtech (696601102)

Sampling Date: 12-28-83

Sampling Time: 0950

Sample/Station Location: Dupl. / Duplicate (from MW1)

Organic Traffic Number E 7167

Inorganic Traffic Number ME 1662

~~1095 High Hazard Traffic Number E 5-35251 thru 5-35256~~

Physical Description

At time of collection: Clear yellowish liquid with particulates.

Physical Changes (if any)

From time of collection until shipment: Particulates settling out of sample. Sample decanted prior to metals and cyanide preservation.

Instrument Readings (i.e. - pH, conductivity...): None

Lot Nos: 1/2 gal. 13290022
VOA 231043 & 23320012

Org. - Aquatech (696601091)
Inorg. - Chemtech (696601102)

Site Name / TDD#: Gary Land Development / RS-8307-04
Case Number : 2315
Sampling Date: 12-28-83
Sampling Time: 1025
Sample/Station Location: MW#3 / Ditch

Organic Traffic Number E 7168

Inorganic Traffic Number ME 1663

~~649~~ High Hazard Traffic Number E 5-35257 thru 5-35262

Physical Description

At time of collection: Clear

Physical Changes (if any)

From time of collection until shipment: Same. Samples
decanted prior to metals and cyanide preservation.

Instrument Readings (i.e. - pH, conductivity...): None.

Lot Nos: 1/2 gals. 13290022
VOA 231043
Liter 323511

Org. to Aquatech (696601091)
Inorg. to Chemtech (696601102)

Sampling Date: _____

Sampling Time: _____

Sample/Station Location: _____

Organic Traffic Number E

Inorganic Traffic Number ME

High Hazard Traffic Number E

Physical Description

At time of collection: _____

Physical Changes (if any)

From time of collection until shipment: _____

Instrument Readings (i.e. - pH, conductivity...): _____

ACS 12-29-83

DIY RECORD

Extractable Organics

Volatile Organics

5-4071

CHAIN OF CUSTODY RECORD

[illegible]